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#4 1-263-02  
IDS w/ [signature]  
EXHIBIT

Atty. Docket No. 678-434 (P9079)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Technology Center 2600

APPLICANTS: Min-Goo KIM et al.

SERIAL NO.: 09/473,361

GROUP: Art Unit 2748

FILED: December 28, 1999

DATED: October 24, 2001

FOR: **QUANTIZATION METHOD FOR ITERATIVE  
DECODER IN COMMUNICATION SYSTEM**

Assistant Commissioner  
for Patents  
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to Applicant(s) duty of disclosure, it is respectfully requested that the patents listed in the attached form PTO-1449 be considered by the Examiner and made of record in the above-identified application. A copy of each reference is attached hereto

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, postpaid in an envelope addressed to the: Assistant Commissioner for Patents, Washington, D.C. 20231 on October 24, 2001.

Dated: October 24, 2001

Paul J. Farrell

The citation of the listed items is not a representation that they constitute a complete or exhaustive listing of the relevant art or that the references are prior art.

The items listed are submitted in good faith, but are not intended to substitute for the Examiner's search. It is hoped, however, that in addition to apprising the Examiner of these particular items, they will assist in identifying fields of search and in making as full and complete a search as possible.

To the best of Applicants knowledge, this information disclosure statement is being filed before the date of mailing of a first Office Action on the merits in connection with this case.

U.S. Patent Nos. 4,379,347 and 5,241,383 and foreign patents KR 98-153966 and EP 0 300 775A were all cited in a International Search Report mailed April 14, 2001 by the Korean Industrial Property Office in PCT/KR99/00827. The remaining two references were cited in the specification at page 13. A copy of the International Search Report is also enclosed.

The filing of this information disclosure statement is not an admission that the information cited herein is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

The claims of the application as now presented are believed to patentably distinguish over the prior art and to be in condition for allowance. Early and favorable consideration of the case is respectfully requested.

Please charge any deficiency as well as any other fee(s) which may become due under 37 C.F.R. §1.16 and/or §1.17 at any time during the pendency of this application, or credit any overpayment of such fee(s) to Deposit Account 04-1121. Also,

in the event any extensions of time for responding and/or a petition under 37 C.F.R.

§1.17(i)(i) are required for the pending application(s), please treat this paper as a petition to extend the time and/or enter this Information Disclosure Statement as required and charge Deposit Account No. 04-1121 therefor. TWO (2) COPIES OF THIS SHEET ARE ENCLOSED.

Respectfully submitted,

A handwritten signature in dark ink, appearing to read "Paul J. Farrell", is written over a horizontal line.

Paul J. Farrell

Reg. No. 33,494

Attorney for Applicant

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Form PTO-1449

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
678-434 (P9079)SERIAL NO.  
09/473,361APPLICANT  
Min-Goo KIM et al.FILING DATE  
December 28, 1999GROUP ART UNIT  
2748INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(Use several sheets if necessary)

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4,379,347	04/05/83	Girardi et al.			
	5,241,383	08/31/93	Chen et al.			

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## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	EP 0 300 775 A2	01/16/91	Europe			X	
	KR 98-153966 B	11/16/98	Korea				X

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

		"Implementation and Performance of a Serial MAP Decoder for Use in An Iterative Turbo Decoder", Steven S. Petrobon, Proc., IEEE Int. Symp. on Information Theory, p. 471, 1995
		Radio Transmission Technology (RTT) TIA-TR45.5, 02 June 1998, pp. 8-11

EXAMINER

DATE CONSIDERED

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw citation if not in conformance and not considered. Include copy of this form with next communication to applicant.